

## Region 3 GPRA Baseline RCRA Corrective Action Facility

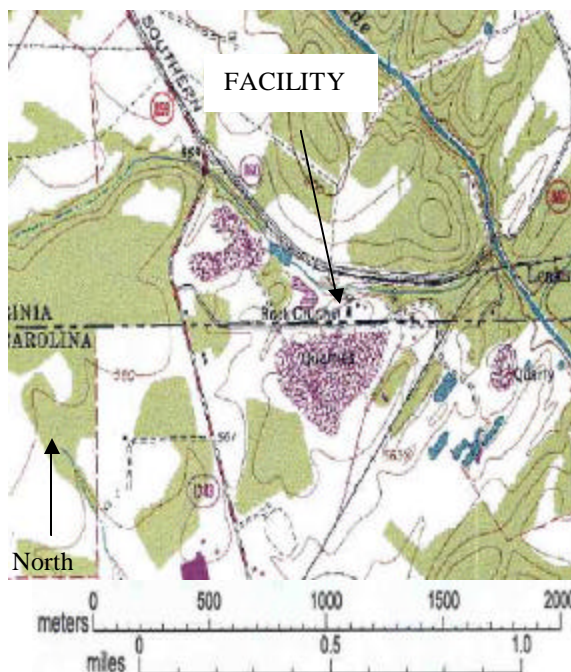
# Virginia Solite - Cascade

Route 1, Box 101  
Cascade, VA 24069  
Congressional District 5  
EPA ID #: VAD046970521  
Last Updated 07/01/05

MAIN PLANT AREA



SITE LOCATION MAP



USGS 7.5 Minute Northeast Eden, VA Quad Sheet

## Current RCRA CA Activities

The current RCRA CA activities at this facility are focusing on the Corrective Action Program of the Hazardous Waste Management Permit (Permit for Combustion of Hazardous Waste, Corrective Action, and Waste Minimization) for the facility's kilns. The aforementioned permit was issued by VADEQ on December 19, 2003. The Permit includes *Site-Wide Correction Action* (Part IV) which requires the facility to conduct a RCRA Facility Investigation (RFI).

A preliminary soil sampling campaign (Environmental Indicator for Human Health Exposure Study) was conducted in August 2004. The sampling program concentrated on soil-human exposures. Inorganics at elevated concentrations in surface and subsurface soils were identified as being the primary contaminants of concern. The presence of both organics and inorganics in subsurface soils lead to the conclusion that ground water and surface water are most likely impacted by facility operations.

The forthcoming RFI will verify the preliminary conclusions derived from the Environmental Indicator

for Human Health Exposure Study, and will further evaluate the surface and groundwater.

In January 2005, Solite Corporation notified VDEQ that the Cascade facility will be closed. This closure will not impact the execution of the site wide corrective action.

## Site Description

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The 459-acre Cascade facility is owned by the Virginia Solite Division of the Solite Corporation. The Cascade facility burned hazardous waste as a fuel in large rotary kilns to produce lightweight aggregate for the construction industry. Hazardous waste was transported, stored, processed, and blended by the Giant Resource Recovery, Inc. (formerly Oldover, Inc) which comprises a 3-acre tract of land within the 459-acre Virginia Solite facility. The ignitable hazardous waste was transferred by pipeline from the Giant Resource Recovery (GRR!) facility to three lightweight aggregate kilns operated by Virginia Solite.

The GRR! Cascade facility holds a Hazardous Waste Management Permit for the storage and treatment of hazardous wastes. The permit became effective in January 1996 and expires in January 2006. The Cascade facility also possesses a VPDES permit (VPDES Permit No. VA0089974) for storm water discharge. A Hazardous Waste Management Permit (Permit for Combustion of Hazardous Waste, Corrective Action, and Waste Minimization) was issued by VADEQ on December 19, 2003.

As previously noted, the Cascade facility has ceased operations.

## RCRA CA Milestones

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The following RCRA CA milestones have been achieved at this facility: NCAPS Report and CA Prioritization – 12/23/97, RFI Imposition – 03/24/99, EI Determination – 06/06/02, EI Determination Support Package – 05/16/03, Hazardous Waste Management Permit – 12/19/03, and Environmental Indicator for Human Health Exposure Study – 08/04. Additional details concerning these milestones and the supporting documentation can be obtained by reviewing the files at the Virginia Department of Environmental Quality's Central Office or by contacting the project managers identified in this Fact Sheet.

## Environmental Indicator Status

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Under the Government Performance and Results Act (GPRA), EPA has set national goals to address high priority RCRA Corrective Action facilities by the year 2005. EPA is evaluating two key indicators for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is one of EPA Region III's high priority facilities and falls under this initiative.

- *Human Exposures Controlled Determination:* YES: Human Exposures Under Control
- *Release to Groundwater Controlled Determination:* IN: Additional information is needed to determine if Groundwater Releases are Controlled.

The site is a fenced, secured industrial site, the only potential exposure will be to plant workers and construction people. Due to market conditions, the Cascade facility is closing and terminating production. There is only a skeleton crew at the site closing the facility. The only exposure would be the

few personnel shutting down the facility. Hence, the *Human Exposures Controlled Determination* is concluded to be YES. The YES Determination is based upon the Cascade facility being out of operation. If the facility resumes operations, then the exposure significance will have to be re-evaluated.

The RFI will generate supplemental data that will corroborate the EI Determination and facilitate the *Release to Groundwater Controlled Determination*.

## **Contaminants**

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The Environmental Indicator for Human Health Exposure Study identified inorganics as the primary contaminants of concern. The study was a limited sampling campaign. The RFI sampling program will address the full spectrum of organics and inorganics in all environmental media and will complement the findings of the Environmental Indicator for Human Health Exposure Study.

## **Community Involvement**

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A copy of all documents relating to the RCRA CA program at the Cascade site are available for viewing at the Virginia Department of Environmental Quality's Central Office located at 629 East Main Street Richmond, Virginia.

## **Government Contacts**

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The Commonwealth of Virginia has the lead authority for this project. Please contact the VADEQ project manager listed below for details on this project or the contents of this fact sheet.

### VADEQ Project Manager

Mr. Dennis G. Lund

Virginia Department of Environmental Quality

P.O. Box 10009

Richmond, VA 23240

Phone: (804) 698-4232

Email: [dglund@deq.virginia.gov](mailto:dglund@deq.virginia.gov)

### EPA Project Manager

Mr. Mike Jacobi

U.S. Environmental Protection Agency - Region III

1650 Arch Street

Philadelphia, PA 19103-2029

Phone: (215) 814-3435

Email: [jacobi.mike@epa.gov](mailto:jacobi.mike@epa.gov)

For more information about EPA's corrective action program, including Environmental Indicators, please visit EPA's site at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm)

## **Facility Contact**

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The facility contact is:

Mr. Stephen P. Holt  
Director of Environmental Affairs  
Solite Corporation  
320 D Midland Parkway  
Summerville, South Carolina 29485  
(843) 851-5668  
sholt@giantcement.com

## **Fact Sheet Updates**

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The previous factsheet was updated on January 01, 2005. The next update is scheduled for December 2005. Previous fact sheets may be obtained through the listed government contacts.